

Recombinant Human FGFR3 protein, His & T7-tagged

Cat. No. FGFR3-1811H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human FGFR3 aa. (Val166~Gly375 (Accession # P22607)) fused with N-terminal His & T7 tag was produced in E. coli cells.

Species Human

Source E.coli

ProteinLength Val166~Gly375

Description This gene encodes a member of the fibroblast growth factor receptor (FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member binds acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance. Mutations in this gene lead to craniosynostosis and multiple types of skeletal dysplasia. Three alternatively spliced transcript variants that encode different protein isoforms have been described.

Form Freeze-dried powder

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Molecular Mass	Predicted Molecular Mass: 26.8kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.3.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	FGFR3 fibroblast growth factor receptor 3 [Homo sapiens (human)]
Official Symbol	FGFR3
Synonyms	Rnaseh2a; ribonuclease H2, subunit A; ribonuclease H2 subunit A; RNase H2 subunit

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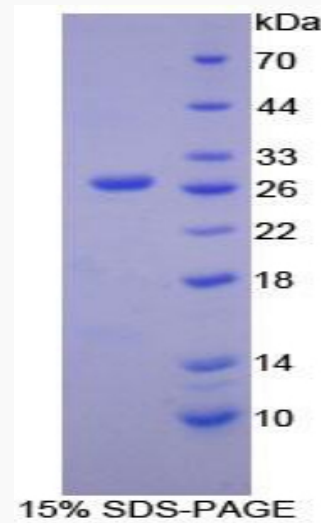
A; RNase HI large subunit; ribonuclease H2, large subunit; ribonuclease HI large subunit; ribonuclease HI subunit A

Gene ID 2261

mRNA Refseq NM_000142.4

Protein Refseq NP_000133.1

UniProt ID P22607



SDS-PAGE

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